

# South Carolina Metal Recycling Industry Overview

Fred Seidenberg  
President  
Mid-Carolina Steel & Recycling



# Economic Impact of Metal/Scrap Recycling

The following information was provided by the Institute of Scrap Recycling Industries, Inc. (ISRI)

- The Scrap Recycling industry is recognized as one of the world's first green industries.
- In 2013, 2,181 jobs are being supported by the manufacturing and brokerage operations of the scrap recycling industry (referred to as direct activity) in South Carolina. In addition there are 5,573 jobs indirectly supported by the scrap recycling industry. The activity associated with all direct and indirect activity generates nearly \$1.3 billion in economic benefits in South Carolina.
- Direct activity generates \$54.2 million in tax revenues for South Carolina and its local governments.

# Iron and Steel (Ferrous Metal) Facts

- In 2012, the U.S. ferrous scrap industry was valued at \$30.1 billion.
- In 2012, the U.S. scrap industry recycled more the 55 million metric tons of ferrous metals.
- The U.S. is the largest exporter of ferrous scrap in the world. In 2012, more than 20 million metric tons of ferrous scrap valued at more than \$9 billion was exported to 90 countries, including China, South Korea, Turkey, Taiwan, Canada and India.
- By using ferrous scrap rather than virgin materials in the production of iron and steel, CO2 emissions are reduced by 58%.
- Recycling steel requires 60% less energy than producing steel from iron ore.
- Recycling one car saves more than 2,500 lbs. of iron ore, 1,400 lbs. of coal and 120 lbs. of limestone.

(statistics provided by ISRI)

# Secondary Metals Recycling Consumers

- Steel Mills
- Larger Secondary Metals Recyclers
- Foundries
- Export Markets

# Steel Plants of North America



# Aluminum, Copper, and Other Non-Ferrous Metals Facts

- Copper is the best non-precious metal conductor of electricity
- The U.S. provides more than 20% of the world supply of recovered copper
- 61 billion aluminum cans were recycled in 2011
- Lead-acid batteries, a primary use for lead, have a 98% recycling rate
- An estimated 85% to 90% of all automotive aluminum is recovered and recycled
- In 2012, the U.S. exported nearly \$14 billion worth of non-ferrous scrap to more than 90 countries, including China, Canada, Mexico, South Korea, Japan, Taiwan, Belgium, India, and Germany

Statistics provided by ISRI





# South Carolina Recycler' s Association (SCRA)

- Primary goals of SCRA:

- 1) Curbing metal theft and its direct effects on the recycling industry
- 2) Educate legislators, law enforcement, and citizens of South Carolina regarding the importance of recycling and what can be gained
- 3) Communication of new laws and ordinances
- 4) Networking and offering support to other metal recyclers



# Metal Theft

- Metal theft claims have risen 36 percent in the past 3 years (NICB)
- Copper and aluminum were the highest targeted metals for claims (NICB)
- U.S Department of Energy has estimated that metal theft costs U.S. businesses around \$1 billion a year
- Thieves are willing to go to almost any length to steal metal: stripping sheets of metal from building rooftops, stealing memorial decorations from cemeteries, ripping apart air conditioners for their copper coils, and stripping homes and buildings of wiring and piping (NICB)
- South Carolina, as well as other states, has laws to govern and aid in preventing theft (SC Statutes, Title 17, chapter 16, section 680)

NICB: National Insurance Crime Bureau

# SC Law regarding Selling, Transporting and Purchasing of Non-Ferrous Materials

- Under SC Statutes, Title 16 of Chapter 17-680 details the selling, transporting, and purchasing of non-ferrous materials to control transactions and aid to reduce theft
- Chapter 17-680 provides the definition of non-ferrous material, which is any metal not containing significant quantities of iron or steel, including, but not limited to: aluminum, brass, copper, heater cores, stainless steel, batteries (lead acid), aluminum and steel wheels, catalytic converters, stainless steel beer kegs, and steel propane tanks, manhole covers, and drainage grates
- NOTE: Manhole covers and drainage grates may only be purchased from the government or contractor only

# Selling and Transport of Non-Ferrous Material – Title 16-17-680 (C)

- An individual must have one of the following:
  - 1) Valid Driver's License from any state
  - 2) A military ID, or
  - 3) South Carolina ID issued by the DMV
- In addition the individual must have a permit which may be obtained from the SC County in which the individual resides; non-residents of the state may obtain a permit from any SC County
- There are exceptions: Licensed Contractors, Business or Retail License Holder, Organizations, Corporations or Associations who have registered as charitable organizations or any non-profit organization, a secondary metal recycler selling to another secondary metal recycler, and a manufacturing/industrial vendor that generates or sells regulated metals in its ordinary course of business

**STATE OF SOUTH CAROLINA  
PERMIT TO TRANSPORT AND SELL NONFERROUS METALS**

Date of Application: _____			
<b>APPLICANT INFORMATION</b>			
Name: _____	Columbia	SC	2909
Address: 276 S. Buckle Drive	City	State	Zip
Phone Number: _____	Alternate Phone Number: _____		
Driver's License or Identification Number: _____			
Date of Birth: 4-14-77	Height: 53	Weight: 160	Hair: B Color: B
<b>VEHICLE INFORMATION</b>			
Year: _____	Model: _____	Make: _____	Color: _____
Tag Number: _____	State: _____	VIN Number: _____	
Registered Owner: _____			
Address: _____	City: _____	State: _____	Zip: _____

Section 16-17-680 (C) (1) states that anyone who wants to transport or sell nonferrous metals to a secondary metals recycler shall obtain a permit to transport and sell the nonferrous metals.

Section 16-17-680 (C) (2) states that a resident of South Carolina or an entity located in South Carolina shall obtain a permit from the sheriff of the county in which the person or entity is located.

Section 16-17-680 (C) (3) states that the permit shall be issued for a period of one (1) year from the date of issuance or the person's birth date on the second calendar year after the date of issuance. The permit expires on the date of issuance on the second calendar year after the date of issuance.

Section 16-17-680 (C) (4) states that the permit shall be issued for the purpose of recycling nonferrous metals in any amount for the purpose of recycling the nonferrous metals. The permit is a valid permit to purchase nonferrous metals and the seller has a valid permit to transport and sell the nonferrous metals.

Section 16-17-680 (C) (5) states that the permit shall be issued for the purpose of recycling nonferrous metals in any amount to a secondary metals recycler. The permit is issued and the seller has a valid permit to transport and sell the nonferrous metals.

Section 16-11-523 (B) states that it is unlawful for a person to willfully and maliciously cut, mutilate, deface, or otherwise injure any person or real property, including any fixtures or improvements, for the purpose of obtaining nonferrous metals in any amount.

By signing below, I acknowledge and understand that I must comply with all local, State, and Federal laws at all times. While a partial list of relevant laws are listed above, I understand that it is my responsibility to familiarize myself and comply with all laws at all times.

Signature: \_\_\_\_\_ Date: 4-24-15

**OFFICE USE ONLY**

PERMIT NUMBER: \_\_\_\_\_ Date Issued: 4-24-15  
County of Issue: RICHLAND Date Expires: 4-24-2015  
Photograph: \_\_\_\_\_ Copy of Identification: ☒

Issuing Agency: RICHLAND COUNTY SHERIFF'S DEPARTMENT  
5623 Two Notch Road Columbia, SC 29223  
(803) 676-3000

ALL QUESTIONS CONCERNING PERMIT SHOULD BE DIRECTED TOWARD THE ISSUING AGENCY

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## Transporting Non-Ferrous without a permit

- Considered a misdemeanor charge
- First offense is \$200 or 30 days in prison
- Second offense is \$500 and/or one (1) year in prison
- Third offense is \$1,000 and/or three (3) years in prison
- If Individual knowingly transports stolen non-ferrous metal, this is considered a felony and can result in a fine determined at the discretion of the court and/or ten (10) years in prison

# Purchasing Non-Ferrous Material – Secondary Metals Recycler –Title 16-17-680-(D)

- To purchase non-ferrous metals, the person or entity engaged, from a fixed site or otherwise, who is in the business of paying compensation for non-ferrous metals that have served their original economic purpose must have a permit
- This person or entity is considered a secondary metals recycler
- This person or entity must obtain a permit from the sheriff of the county for each of the recycler's fixed locations
- Individuals or businesses who do not have a fixed location, must have a secondary metals recycler permit from each county where they made the purchase

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County Of Richland  
Office of the Sheriff

## Dealers in Non-Ferrous Metals Permit

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This is to certify that

**Mid Carolina Steel Co. Inc**

Has been issued a permit in the County of Richland to engage in the business of  
purchasing non-ferrous metals, for a period of two years, at

**7425 Fairfield Rd**

In accordance with the provisions to Title 16 Chapter 17 Section 680 of the South Carolina Code Of Laws, 1976



August 8, 2015

EXPIRES

*[Signature]*

Issued By

# Maintenance of Records – Secondary Metals Recycler – Title 16-17-680 (D)

A secondary metals recycler shall maintain a record containing, at a minimum:

- The date of purchase
- The name and address of the seller
- A photocopy of the seller's identification
- A photocopy of the seller's permit to transport and sell nonferrous metals
- If applicable, the license plate number of the seller's motor vehicle
- The seller's photograph or a picture taken through an on-site video
- The weight and size or other description of the nonferrous metals purchased
- The amount paid for the nonferrous metals
- A signed statement from the seller stating that the seller is the rightful owner or is entitled to sell non-ferrous metals
- The records must be maintained for two years from the date of purchase
- Any transaction that includes a copper sale must be paid by check



**McHUMOR.com** by T. McCracken



"Not bad. They gave us \$10.00  
a pound for the Tin Man."

# Thank You!

Fred Seidenberg

Fred@mid-carolinasteel.com